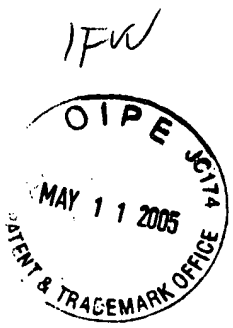


Docket No.: 070456-0056

**PATENT**



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
Yoshihiro HORI, et al.	:	Confirmation Number: CNF NO. 2825
Application No.: 10/506,505	:	Group Art Unit: 2131
Filed: September 03, 2004	:	Examiner: Not yet assigned
For: DATA STORAGE DEVICE	:	

**REQUEST FOR CORRECTED FILING RECEIPT**


Mail Stop OFR  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application. It is noted that the seventh Inventor is incorrect. Attached is a copy of the Declaration and Power of Attorney document, which evidences that the seventh Inventor's name should read: Masafumi TSURU. It is requested that a corrected filing receipt be issued.

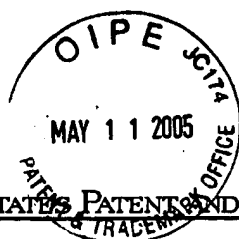
Respectfully submitted,

McDERMOTT WILL & EMERY LLP

  
Stephen A. Becker  
Registration No. 26,527

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 SAB:blg  
Facsimile: 202.756.8087  
**Date: May 11, 2005**

**Please recognize our Customer No. 20277  
as our correspondence address.**

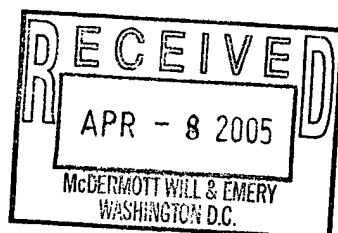


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/506,505	09/03/2004	2131	920	70456-056	19	16	1

Gene Z Rubinson  
 McDermott Will & Emery  
 600 13th Street N W  
 Washington, DC 20005-3096



CONFIRMATION NO. 2825

## FILING RECEIPT



\*OC000000015243903\*

Date Mailed: 03/30/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Yoshihiro Hori, Gifu, JAPAN;  
 Ryoji Ohno, Osaka, JAPAN;  
 Takeo Ohishi, Kanagawa, JAPAN;  
 Akihiro Tozaki, Saitama, JAPAN;  
 Kenichiro Tada, Saitama, JAPAN;  
 Tatsuya Hirai, Kanagawa, JAPAN;  
 Masafumi Tsuru, Tokyo, JAPAN;  
 Takayuki Hasebe, Kanagawa, JAPAN;

## Power of Attorney:

Gene Rubinson-33351

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/02525 03/04/2003

## Foreign Applications

JAPAN 2002-59179 03/05/2002

Projected Publication Date: To Be Determined - pending completion of Security Review

Non-Publication Request: No

**Early Publication Request:** No

**Title**

Data storing device

**Preliminary Class**

380

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

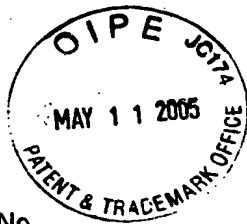
The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



Attorney Docket No. \_\_\_\_\_

**COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor(s), I (we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Data Storage Device

\_\_\_\_\_, the specification of which

(check one) \_\_\_\_\_ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as  
United States Application No. \_\_\_\_\_

X PCT International Patent Application Number PCT/JP03/02525  
filed March 4, 2003  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2002-059179 Japan 5/March/2002  
(Number) (Country) (Day/Month/Year Filed)

X Yes \_\_\_ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Stephen C. Carlson, Reg. No. 39,929; Tom A. Corrado, Reg. No. 42,439; Paul Devinsky, Reg. No. 28,553; Laura A. Donnelly, Reg. No. 38,435; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael F. Fogarty, Reg. No. 36,139; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Eric J. Kraus, Reg. No. 36,190; Patrick B. Law, Reg. No. 41,549; Robert E. LeBlanc, Reg. No. 17,219; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Christopher J. Palermo, Reg. No. 42,056; Joseph H. Paquin, Jr., Reg. No. 31,647; Robert L. Price, Reg. No. 22,685; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Aaron Weisstuch, Reg. No. P41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP  
600 13th Street, N.W.  
WASHINGTON, D.C. 20005-3096  
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Yoshihiro HORI

Inventor's signature *Yoshihiro Hori* Date August 23, 2004  
Residence Gifu-shi, Gifu, Japan Citizenship Japanese  
Post Office Address c/o Sanyo Electric Co., Ltd., 5-5, Keihanbondori 2-chome,  
Moriguchi-shi, Osaka 570-8677 Japan

Full name of second inventor Ryoji OHNO

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Osaka-shi, Osaka, Japan Citizenship Japanese  
Post Office Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku,  
Osaka-shi, Osaka 545-8522 Japan

Full name of third inventor Takeo OHISHI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Yokohama-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o VICTOR COMPANY OF JAPAN, LIMITED, 12, Moriya-cho 3-chome,  
Kanagawa-ku, Yokohama-shi, Kanagawa 221-8528 Japan

Full name of fourth inventor Akihiro TOZAKI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,

Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of fifth inventor Kenichiro TADA

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,

Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of sixth inventor Tatsuya HIRAI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o Systems Development Laboratory, Hitachi, Ltd., 1099,

Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan

Full name of sixth inventor Masafumi TSURU

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Chiyoda-ku, Tokyo, Japan Citizenship Japanese

Post Office Address c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Floor,

3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan

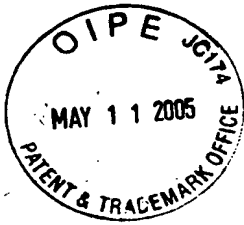
Full name of sixth inventor Takayuki HASEBE

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome,

Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan



Attorney Docket No. \_\_\_\_\_

**COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Data Storage Device

\_\_\_\_\_, the specification  
of which

(check one) \_\_\_\_\_ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as  
United States Application No. \_\_\_\_\_

X PCT International Patent Application Number PCT/JP03/02525  
filed March 4, 2003  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2002-059179 Japan 5/March/2002  
(Number) (Country) (Day/Month/Year Filed)

X Yes \_\_\_ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Blsbkls, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Stephen C. Carlson, Reg. No. 39,929; Tom A. Corrado, Reg. No. 42,439; Paul Devinsky, Reg. No. 28,553; Laura A. Donnelly, Reg. No. 38,435; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael F. Fogarty, Reg. No. 36,139; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Eric J. Kraus, Reg. No. 36,190; Patrick B. Law, Reg. No. 41,549; Robert E. LeBlanc, Reg. No. 17,219; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,801; Christopher J. Palermo, Reg. No. 42,056; Joseph H. Paquin, Jr., Reg. No. 31,647; Robert L. Price, Reg. No. 22,685; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Aaron Weisstuch, Reg. No. P41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP  
600 13th Street, N.W.  
WASHINGTON, D.C. 20005-3096  
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Yoshihiro HORI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Gifu-shi, Gifu, Japan Citizenship Japanese  
Post Office Address c/o Sanyo Electric Co., Ltd. 5-5, Keihanbondori 2-chome,  
Moriguchi-shi, Osaka 570-8677, Japan

Full name of second inventor Ryoji OHNO

Inventor's signature Ryoji Ohno Date Aug 30, 2004  
Residence Osaka-shi, Osaka, Japan Citizenship Japanese  
Post Office Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaiki-cho, Abeno-ku,  
Osaka-shi, Osaka 545-8522, Japan

Full name of third inventor Takeo OHISHI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Yokohama-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o VICTOR COMPANY OF JAPAN, LIMITED, 12, Moriya-cho 3-chome,  
Kanagawa-ku, Yokohama-shi, Kanagawa 221-8528, Japan



Full name of fourth inventor Akihiro TOZAKI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of fifth inventor Kenichiro TADA

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of sixth inventor Tatsuya HIRAI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o Systems Development Laboratory, Hitachi, Ltd. 1099,  
Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan

Full name of sixth inventor Masafumi TSURU

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Chiyoda-ku, Tokyo, Japan Citizenship Japanese

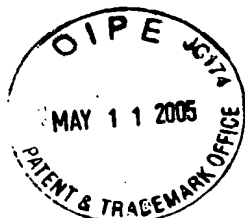
Post Office Address c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Floor,  
3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan

Full name of sixth inventor Takayuki HASEBE

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome,  
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan



Attorney Docket No. \_\_\_\_\_

**COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor(s), I (we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Data Storage Device

\_\_\_\_\_, the specification  
of which

(check one) \_\_\_\_\_ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as  
United States Application No. \_\_\_\_\_

X PCT International Patent Application Number PCT/JP03/02525  
filed March 4, 2003  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2002-059179 Japan 5/March/2002  
(Number) (Country) (Day/Month/Year Filed)

X Yes \_\_\_ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Stephen C. Carlson, Reg. No. 39,929; Tom A. Corrado, Reg. No. 42,439; Paul Devinsky, Reg. No. 28,553; Laura A. Donnelly, Reg. No. 38,435; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael F. Fogarty, Reg. No. 36,139; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Eric J. Kraus, Reg. No. 36,190; Patrick B. Law, Reg. No. 41,549; Robert E. LeBlanc, Reg. No. 17,219; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Christopher J. Palermo, Reg. No. 42,056; Joseph H. Paquin, Jr., Reg. No. 31,647; Robert L. Price, Reg. No. 22,685; Gene Z. Rubinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Aaron Weisstuch, Reg. No. P41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP  
600 13th Street, N.W.  
WASHINGTON, D.C. 20005-3096  
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Yoshihiro HORI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Gifu-shi, Gifu, Japan Citizenship Japanese  
Post Office Address c/o Sanyo Electric Co., Ltd., 5-5, Keihanondori 2-chome,  
Moriguchi-shi, Osaka 570-8677, Japan

Full name of second inventor Ryoji OHNO

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Osaka-shi, Osaka, Japan Citizenship Japanese  
Post Office Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku,  
Osaka-shi, Osaka 545-8522, Japan

Full name of third inventor Takeo OHISHI

Inventor's signature Takeo Ohishi Date August 24, 2004  
Residence Yokohama-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o VICTOR COMPANY OF JAPAN, LIMITED, 12, Moriya-cho 3-chome,  
Kanagawa-ku, Yokohama-shi, Kanagawa 221-8528, Japan

Full name of fourth inventor Akihiro TOZAKI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,

Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of fifth inventor Kenichiro TADA

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,

Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of sixth inventor Tatsuya HIRAI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o Systems Development Laboratory, Hitachi, Ltd., 1099,

Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan

Full name of sixth inventor Masafumi TSURU

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Chiyoda-ku, Tokyo, Japan Citizenship Japanese

Post Office Address c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Floor,

3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan

Full name of sixth inventor Takayuki HASEBE

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome,

Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan



Attorney Docket No.

**COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Data Storage Device

\_\_\_\_\_, the specification  
of which

(check one) \_\_\_\_\_ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as  
United States Application No. \_\_\_\_\_

X PCT International Patent Application Number PCT/JP03/02525  
filed March 4, 2003  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2002-059179 Japan 5/March/2002  
(Number) (Country) (Day/Month/Year Filed)

X Yes \_\_\_ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Stephen C. Carlson, Reg. No. 39,929; Tom A. Corrado, Reg. No. 42,439; Paul Devinsky, Reg. No. 28,553; Laura A. Donnelly, Reg. No. 38,435; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael F. Fogarty, Reg. No. 36,139; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Eric J. Kraus, Reg. No. 36,190; Patrick B. Law, Reg. No. 41,549; Robert E. LeBlanc, Reg. No. 17,219; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Christopher J. Palermo, Reg. No. 42,056; Joseph H. Paquin, Jr., Reg. No. 31,647; Robert L. Price, Reg. No. 22,685; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Aaron Weisstuch, Reg. No. P41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP  
600 13th Street, N.W.  
WASHINGTON, D.C. 20005-3096  
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Yoshihiro HORI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Gifu-shi, Gifu, Japan Citizenship Japanese  
Post Office Address c/o Sanyo Electric Co., Ltd., 5-5, Keihanhondori 2-chome,  
Moriguchi-shi, Osaka 570-8677 Japan

Full name of second inventor Ryoji OHNO

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Osaka-shi, Osaka, Japan Citizenship Japanese  
Post Office Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku,  
Osaka-shi, Osaka 545-8522 Japan

Full name of third inventor Takeo OHISHI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Yokohama-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o VICTOR COMPANY OF JAPAN, LIMITED, 12, Moriya-cho 3-chome,  
Kanagawa-ku, Yokohama-shi, Kanagawa 221-8528 Japan

Full name of fourth inventor Akihiro TOZAKI

Inventor's signature Akihiro Tozaki Date August 17, 2004

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of fifth inventor Kenichiro TADA

Inventor's signature KENICHIRO TADA Date August 16, 2004

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of sixth inventor Tatsuya HIRAI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o Systems Development Laboratory, Hitachi, Ltd., 1099,  
Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan

Full name of sixth inventor Masafumi TSURU

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Chiyoda-ku, Tokyo, Japan Citizenship Japanese

Post Office Address c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Floor,  
3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan

Full name of sixth inventor Takayuki HASEBE

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome,  
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan



Attorney Docket No.

**COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Data Storage Device

\_\_\_\_\_ the specification  
of which

(check one) \_\_\_\_\_ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as  
United States Application No. \_\_\_\_\_

X PCT International Patent Application Number PCT/JP03/02525  
filed March 4, 2003  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2002-059179 Japan 5/March/2002  
(Number) (Country) (Day/Month/Year Filed)

X Yes    No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

   Yes    No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Appln. Serial No.)

(Filing Date)

(Status-patented, pending, abandoned)

(Appln. Serial No.)

(Filing Date)

(Status-patented, pending, abandoned)



I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Stephen C. Carlson, Reg. No. 39,929; Tom A. Corrado, Reg. No. 42,439; Paul Devinsky, Reg. No. 28,553; Laura A. Donnelly, Reg. No. 38,435; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael F. Fogarty, Reg. No. 36,139; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Eric J. Kraus, Reg. No. 36,190; Patrick B. Law, Reg. No. 41,549; Robert E. LeBlanc, Reg. No. 17,219; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Christopher J. Palermo, Reg. No. 42,056; Joseph H. Paquin, Jr., Reg. No. 31,647; Robert L. Price, Reg. No. 22,685; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Aaron Weissstuch, Reg. No. P41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP  
600 13th Street, N.W.  
WASHINGTON, D.C. 20005-3096  
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Yoshihiro HORI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Gifu-shi, Gifu, Japan Citizenship Japanese  
Post Office Address c/o Sanyo Electric Co., Ltd. 5-5, Keihanbondori 2-chome,  
Moriguchi-shi, Osaka 570-8677 Japan

Full name of second inventor Ryoji OHNO

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Osaka-shi, Osaka, Japan Citizenship Japanese  
Post Office Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku,  
Osaka-shi, Osaka 545-8522 Japan

Full name of third inventor Takeo OHISHI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Yokohama-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o VICTOR COMPANY OF JAPAN, LIMITED, 12, Moriya-cho 3-chome,  
Kanagawa-ku, Yokohama-shi, Kanagawa 221-8528 Japan

Full name of fourth inventor Akihiro TOZAKI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of fifth inventor Kenichiro TADA

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese

Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of sixth inventor Tatsuya HIRAI

Inventor's signature Tatsuya HIRAI Date Aug. 27, 2004

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o Systems Development Laboratory, Hitachi, Ltd, 1099,  
Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan

Full name of sixth inventor Masafumi TSURU

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Chiyoda-ku, Tokyo, Japan Citizenship Japanese

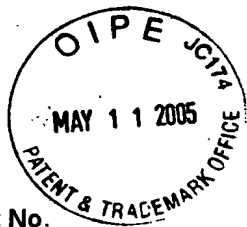
Post Office Address c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Floor,  
3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan

Full name of sixth inventor Takayuki HASEBE

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese

Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome,  
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan



Attorney Docket No. \_\_\_\_\_

**COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Data Storage Device

\_\_\_\_\_, the specification of which

(check one) \_\_\_\_\_ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as  
United States Application No. \_\_\_\_\_

X PCT International Patent Application Number PCT/JP03/02525  
filed March 4, 2003  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2002-059179 Japan 5/March/2002  
(Number) (Country) (Day/Month/Year Filed)

X Yes \_\_\_ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

\_\_\_\_\_  
(Appln. Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Stephen C. Carlson, Reg. No. 39,929; Tom A. Corrado, Reg. No. 42,439; Paul Devinsky, Reg. No. 28,553; Laura A. Donnelly, Reg. No. 38,435; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael F. Fogarty, Reg. No. 36,139; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Eric J. Kraus, Reg. No. 36,190; Patrick B. Law, Reg. No. 41,549; Robert E. LeBlanc, Reg. No. 17,219; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Christopher J. Palermo, Reg. No. 42,056; Joseph H. Paquin, Jr., Reg. No. 31,647; Robert L. Price, Reg. No. 22,685; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Aaron Weissstuch, Reg. No. P41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP  
600 13th Street, N.W.  
WASHINGTON, D.C. 20005-3096  
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Yoshihiro HORI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Gifu-shi, Gifu, Japan Citizenship Japanese  
Post Office Address c/o Sanyo Electric Co., Ltd., 5-5, Keihanondori 2-chome,  
Moriguchi-shi, Osaka 570-8677 Japan

Full name of second inventor Ryoji OHNO

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Osaka-shi, Osaka, Japan Citizenship Japanese  
Post Office Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku,  
Osaka-shi, Osaka 545-8522 Japan

Full name of third inventor Taken OHISHI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Yokohama-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o VICTOR COMPANY OF JAPAN, LIMITED, 12, Moriya-cho 3-chome,  
Kanagawa-ku, Yokohama-shi, Kanagawa 221-8528 Japan

Full name of fourth inventor Akihiro TOZAKI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese  
Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522, Japan

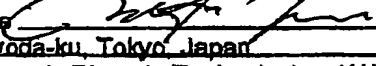
Full name of fifth inventor Kenichiro TADA

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese  
Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522, Japan

Full name of sixth inventor Tatsuya HIRAI

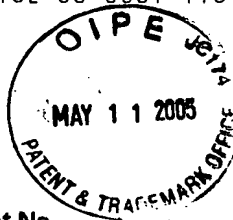
Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o Systems Development Laboratory, Hitachi, Ltd., 1099,  
Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013, Japan

Full name of sixth inventor Masafumi TSURU

Inventor's signature  Date 8/30/2004  
Residence Chiyoda-ku, Tokyo, Japan Citizenship Japanese  
Post Office Address c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Floor,  
3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005, Japan

Full name of sixth inventor Takayuki HASEBE

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome,  
Nakabara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan



Attorney Docket No.

**COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Data Storage Device

of which \_\_\_\_\_, the specification

(check one)

\_\_\_\_\_ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as  
United States Application No. \_\_\_\_\_

X PCT International Patent Application Number PCT/JP03/02525  
filed March 4, 2003  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2002-059179 Japan 5/March/2002  
(Number) (Country) (Day/Month/Year Filed)

X Yes \_\_\_ No

\_\_\_\_\_  
(Number) (Country) (Day/Month/Year Filed)

\_\_\_ Yes \_\_\_ No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

(Appln. Serial No.)

(Filing Date)

(Status-patented, pending, abandoned)

(Appln. Serial No.)

(Filing Date)

(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith: Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Stephen C. Carlson, Reg. No. 39,929; Tom A. Corrado, Reg. No. 42,439; Paul Devinsky, Reg. No. 28,553; Laura A. Donnelly, Reg. No. 38,435; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael F. Fogarty, Reg. No. 36,139; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Eric J. Kraus, Reg. No. 36,190; Patrick B. Law, Reg. No. 41,549; Robert E. LeBlanc, Reg. No. 17,219; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Christopher J. Palermo, Reg. No. 42,056; Joseph H. Paquin, Jr., Reg. No. 31,647; Robert L. Price, Reg. No. 22,685; Gene Z. Rubinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Aaron Weisstuch, Reg. No. P41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY LLP  
600 13th Street, N.W.  
WASHINGTON, D.C. 20005-3096  
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Yoshihiro HORI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Gifu-shi, Gifu, Japan Citizenship Japanese  
Post Office Address c/o Sanyo Electric Co., Ltd. 5-5, Keshanbadori 2-chome,  
Moriguchi-shi, Osaka 570-8677, Japan

Full name of second inventor Ryoji OHNO

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Osaka-shi, Osaka, Japan Citizenship Japanese  
Post Office Address c/o Sharp Kabushiki Kaisha 22-22 Nagaike-cho, Abeno-ku,  
Osaka-shi, Osaka 545-8522, Japan

Full name of third inventor Takeo OHISHI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Yokohama-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o VICTOR COMPANY OF JAPAN, LIMITED, 12, Moriya-cho 3-chome,  
Kanagawa-ku, Yokohama-shi, Kanagawa 221-8528, Japan

Full name of fourth inventor Akihiro TOZAKI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese  
Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of fifth inventor Kenichiro TADA

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Tokorozawa-shi, Saitama, Japan Citizenship Japanese  
Post Office Address c/o Tokorozawa Works of PIONEER CORPORATION, 2610,  
Hanazono 4-chome, Tokorozawa-shi, Saitama 359-8522 Japan

Full name of sixth inventor Tatsuya HIRAI

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o Systems Development Laboratory, Hitachi, Ltd., 1099  
Ozenji, Asao-ku, Kawasaki-shi, Kanagawa 215-0013 Japan

Full name of sixth inventor Masafumi TSURU

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence Chiyoda-ku, Tokyo, Japan Citizenship Japanese  
Post Office Address c/o Phoenix Technologies, K.K., Tokyo Ginko Kyokai Building 14th Floor,  
3-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-0005 Japan

Full name of sixth inventor Takayuki HASEBE

Inventor's signature Takayuki Hasebe Date Sep. 1, 2004  
Residence Kawasaki-shi, Kanagawa, Japan Citizenship Japanese  
Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome,  
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan